Rev 09/03   PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application   :   Geoffrey M. Brown
Application No.   :   10/662,108
Filed   :   September 12, 2003
For   :   NETWORK   ADDRESS   SPACE   CLUSTERING   EMPLOYING
                          TOPOLOGICAL GROUPINGS, DISTANCE MEASUREMENTS AND
                          STRUCTURAL GENERALIZATION
Attorney's Docket   :   SOCK-006XX
                                          TC Art Unit:

* *

I hereby certify that this correspondence is being deposited with the
United States Postal Service as first class mail in an envelope
addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA
22313-1450 on _Dec. 9, 2003_ .

                                    By: _____
                                        James F. Thompson
                                        Registration No. 36,699
                                        Attorney for Applicant(s)

* *

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

     It is desired to cite for the record in this application the
enclosed references listed on the attached copy of PTO Form #1449. The
paragraph(s) marked below are applicable to this Information Disclosure
Statement.

[X] (1) Pursuant to 37 C.F.R. § 1.97(b)(1) and (2), the attached
     Information Disclosure Statement is being filed within three
     months of the filing date of the above identified national
     application or within three months of the date of entry of the
     national stage as set forth in 37 C.F.R. § 1.491 of the above
     identified application. Accordingly, applicant(s) believes that
     no fee or statement under 37 C.F.R. § 1.97(e) is required.

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[X]   (2) Pursuant to 37 C.F.R. § 1.97(b)(3), applicant(s) believes the attached Information Disclosure Statement is being filed before the mailing date of a first Office action on the merits. Accordingly, applicant(s) believes that no fee or statement under 37 C.F.R. § 1.97(e) is required.

[ ]   (3) Pursuant to 37 C.F.R. § 1.97(b)(4), applicant(s) believes the attached Information Disclosure Statement is being filed before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Accordingly, applicant(s) believes that no fee or statement under 37 C.F.R. § 1.97(e) is required.

[ ]   (4) Pursuant to 37 C.F.R. § 1.97(c), the attached Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by:

       [ ] a statement under 37 CFR § 1.97(e); or

       [ ] the fee set forth in § 1.17(p).

PETITION UNDER 37 CFR § 1.97(d)

[ ]   (5) Pursuant to 37 CFR § 1.97(d), applicant(s) hereby petitions the Commissioner to consider the attached Information Disclosure Statement which is being filed on or before payment of the issue fee. This petition is accompanied by a statement under 37 C.F.R. § 1.97(e) and the petition fee set forth in 37 C.F.R. § 1.17(p).

STATEMENT UNDER 37 C.F.R. § 1.97(e)(1)

[ ]   (6) The undersigned hereby states that each item of information contained in the attached Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

STATEMENT UNDER 37 C.F.R. § 1.97(e)(2)

[ ]   (7) The undersigned hereby states that no item of information contained in the attached Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the attached Information Disclosure Statement was known to any individual designated in 37 C.F.R. §

- 2 -

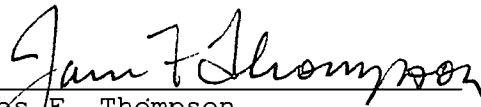1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

The filing of this Information Disclosure Statement is not a representation by the undersigned as to personal knowledge of the contents of every word or phrase of the material enclosed or that reliance on other suitably trained professionals has not been made.

If a search report of a searching agency is enclosed identifying the nature of the relevance of each document, such a designation is deemed to satisfy 37 C.F.R. § 1.98(a)(3) even if in a foreign language because the codes are the same in all languages. However, applicant(s) does not necessarily adopt the position reflected by that report.

The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 23-0804. Triplicate copies of this letter are enclosed.

Respectfully submitted,

GEOFFREY M. BROWN

By: _____
    James F. Thompson
    Registration No. 36,699
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Enclosure
299205-1

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U.S. DEPARTMENT OF COMMERCE	ATTY. DOCKET NO.	APPLICATION NO.
(REV. 05/03) PATENT AND TRADEMARK OFFICE	SOCK-006XX	10/662,108

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

APPLICANT:	
Geoffrey M. Brown	
FILING DATE	TC ART UNIT
September 12, 2003	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION/ ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS *(including Author, Title, Date, Pertinent Pages, etc.)*

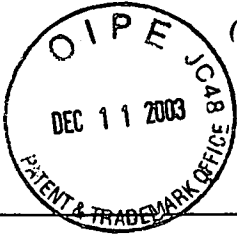|	
/A.T./	Andrews, M. et al., "Clustering and Server Selection using Passive Monitoring," in Proceedings of the IEEE Conference on Computer Communications (INFOCOM) 2002
/A.T./	Barford, P. et al., "On the Marginal Utility of Network Topology Measurements," in Proceedings of the 2001 Sigcomm Internet Measurement Workshop, October 2001
/A.T./	Bestavros, A., et al., "DNS-based Internet Client Clustering and Characterization," in Proceedings of the 4th IEEE Conference on Workload Characterizations (WWC) December 2001
/A.T./	Bovy, C.J. et al., "Analysis of End-to-end Delay Measurements in Internet," in Workshop of Passive and Active Measurement (PAM) 2002
/A.T./	Chen, Y. et al., "On the Stability of Network Distance Estimation," in ACM SIGMETRICS Performance Evaluation Review, Vol. 30, Issue 2, September 2002
/A.T./	Francis, P. et al., "IDMaps: A Global Internet Host Distance Estimation Service," in IEEE/ACM Transactions on Networking, Oct. 2001
/A.T./	Govindan, R. et al., "Estimating Router ICMP Generation Delays," in Workshop of Passive and Active Measurement (PAM) 2002
/A.T./	Gummadi, K. et al., "King: Estimating Latency between Arbitrary Internet End Hosts," in 2nd Internet Measurement Workshop, November 2002

EXAMINER /Ashley Turner/	DATE CONSIDERED 05/09/2008

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS *(including Author, Title, Date, Pertinent Pages, etc.)*

/A.T./		Huffaker, B. et al., "Distance Metrics in the Internet," in IEEE International Telecommunications Symposium 2002
/A.T./		Krishnamurthy, B. et al., "On Network-Aware Clustering of Web Clients," in Proceedings of ACM Sigcomm 2000
/A.T./		Ng, T.S. Eugene et al., "Predicting Internet Network Distance with Coordinates-Based Approaches," in Proceedings of the IEEE Conference on Communications (Infocom) 2002
/A.T./		Padmanabhan, V.N. et al., "An Investigation of Geographic Mapping Techniques for Internet Hosts," in Proceedings of ACM Sigcomm 2001
/A.T./		Shaikh, A. et al., "On the Effectiveness of DNS-based Server Selection," in Proceedings of the IEEE Conference on Computer Communications (INFO-COM) 2001
/A.T./		Shavitt, Y. et al., "Computing the Unmeasured: An Algebraic Approach to Internet Mapping," in Proceedings of the IEEE Conference on Computer Communications (INFOCOM) 2001
/A.T./		Zeitoun, A. et al., "Fast Discovery of Live Internet Address Prefixes," (Online) Available: http://idmaps.eecs.umich.edu/papers/ap.pdf
/A.T./		Zhang, Y. et al., "On the Constancy of Internet Path Properties," in Proceedings of the ACM Sigcomm Internet Measurement Workshop 2001

EXAMINER /Ashley Turner/	**DATE CONSIDERED** 05/09/2008

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JT/ad/299213-1